

Claims

1. Composition containing

5 A) a thermoplastic or a mixture of thermoplastics selected from at least one from the group of polycarbonates, polyestercarbonates, polyamides, polyalkylene terephthalates and polyoxymethylene,

10 B) a mixture obtained by co-precipitation from at least one graft polymer B.1 produced by emulsion polymerisation and at least one thermoplastic vinyl(co)polymer B.2 produced by emulsion polymerisation and

15 C) at least one thermoplastic vinyl (co)polymer produced by solution-, mass- or suspension polymerisation.

2. Composition according to claim 1 containing

20 A) 10 to 99 parts by weight thermoplastic or a mixture of thermoplastics selected from at least one from the group of polycarbonates, polyestercarbonates, polyamides, polyalkylene terephthalates and polyoxymethylene,

25 B) 0.5 to 90 parts by weight of a mixture produced by co-precipitation from at least one graft polymer B1 produced by emulsion polymerisation and at least one vinyl thermoplastic (co)polymer B.2 produced by emulsion polymerisation,

30 C) 1 to 50 parts by weight of at least one thermoplastic vinyl (co)polymer produced by solution-, mass- or suspension polymerisation,

D) 0 to 20 parts by weight flame retardants

E) 0 to 5 parts by weight fluorinated polyolefin.

5 3. Composition according to claim 1, wherein component B is a mixture obtained by co-precipitation from at least one graft polymer B.1 produced by emulsion polymerisation of

10 i) 5 to 95 wt.% of at least one vinyl monomer on

 ii) 95 to 5 wt.% of one or more grafting bases having glass transition temperatures $<10^{\circ}\text{C}$

 and at least one thermoplastic vinyl (co)polymer B.2 produced by emulsion polymerisation and built up of monomers i).

15 4. Composition according to claim 3, wherein monomers i) are mixtures of

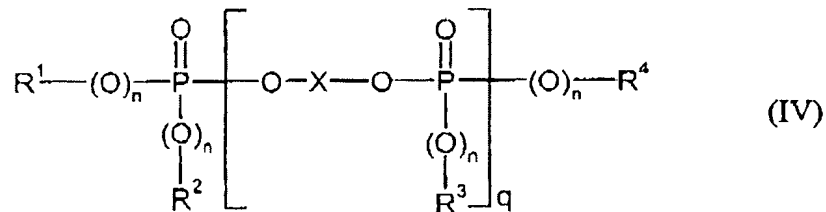
20 i1) 50 to 99 parts by weight of at least one monomer selected from the group consisting of vinyl aromatics, core-substituted vinyl aromatics and (meth)acrylic acid-(C₁-C₈)-alkyl esters and

25 i2) 1 to 50 parts by weight of at least one monomer selected from the group consisting of vinyl cyanides, (meth)acrylic acid-(C₁-C₈)-alkyl esters and derivatives of unsaturated carboxylic acids.

30 5. Compositions according to claim 4, wherein monomers i1) are selected from at least one of the monomers styrene, α -methyl styrene and methyl methacrylate and monomers i2) are selected from at least one of the monomers acrylonitrile, maleic acid anhydride and methyl methacrylate.

6. Composition according to claim 4, wherein monomer i1) is styrene and i2) is acrylonitrile.
- 5 7. Composition according to claim 3, wherein a grafting base ii) is selected from at least one of the group consisting of diene rubbers, EP(D)M rubbers, acrylate-, polyurethane-, silicone-, chloroprene-, and ethylene/vinyl acetate rubbers.
- 10 8. Composition according to claim 3, wherein a grafting base ii) is selected from diene rubbers.
9. Composition according to claim 1, containing graft polymer B.1 and vinyl (co)polymer B.2 in a weight ratio of 90:10 to 25:75.
- 15 10. Composition according to claim 1, containing graft polymer B.1 and vinyl (co)polymer B.2 in a weight ratio of 85:15 to 50:50.
- 20 11. Composition according to claim 1, wherein the vinyl (co)polymer C) is built up of monomers
 - i1) 50 to 99 parts by weight of at least one monomer selected from the group consisting of vinyl aromatics, core-substituted vinyl aromatics, (meth)acrylic acid-(C₁-C₈)-alkyl esters and
 - 25 i2) 1 to 50 parts by weight of at least one monomer selected from the group consisting of vinyl cyanides (meth)acrylic acid-(C₁-C₈)-alkyl esters, derivatives of unsaturated carboxylic acids.
- 30 12. Composition according to claim 1 containing component B) and component C) in a weight ratio of 80:20 to 30:70.

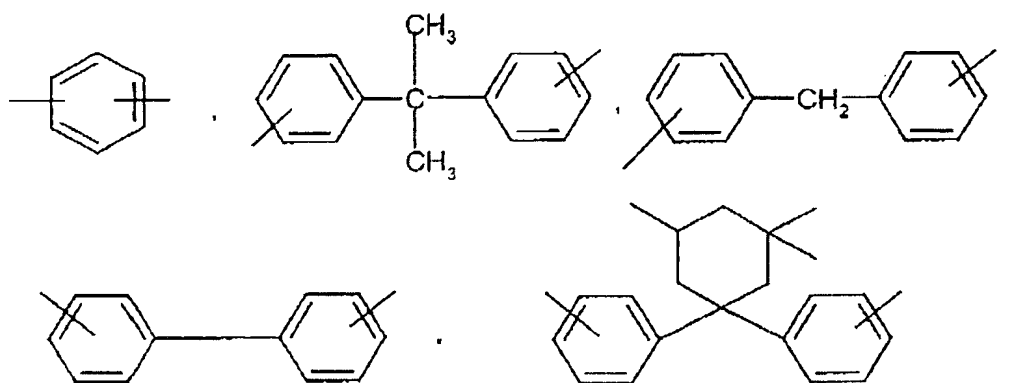
13. Composition according to claim 1 wherein the content of grafting base ii) in the graft polymer B.1 is 75 to 40 wt.% (in relation to B.1).
14. Composition according to claim 1 containing phosphorus compounds of the general formula (IV)



in which

- 10 $\text{R}^1, \text{R}^2, \text{R}^3$ and R^4 , independently of each other mean in each case optionally halogenated C_1 to C_8 -alkyl, in each case C_5 to C_6 -cycloalkyl optionally substituted by alkyl and/or halogen, C_6 to C_{20} -aryl or C_7 to C_{12} -aralkyl,
- 15 n independently of each other mean 0 or 1,
- q means 0 to 30 and
- 20 X means a mono- or polynuclear aromatic group containing 6 to 30 C atoms or a linear or branched aliphatic group containing 2 to 30 C atoms, which are OH-substituted and may contain up to 8 ether bonds.
15. Composition according to claim 14, wherein q represents values of 0 to 10,
- 25 X represents

- 36 -



n represents 1.

- 5 16. Composition according to claim 1, wherein the acrylonitrile content of the vinyl (co)polymers B.2 and C) differs by 1 to 15 wt.%.
 17. Composition according to claim 1, wherein component A is selected from polycarbonate and polyamide.
- 10 18. Composition according to claim 1, containing additives selected from at least one from the group of mould lubricants and mould release agents, nucleation agents, antistatics, stabilisers, fillers and reinforcing agents, dyes and pigments.
- 15 19. Use of the composition according to claim 1 for the production of moulded parts.
20. Moulded parts that can be obtained from compositions according to claim 1.